

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference		(Form PCT/ISA/220) as well as where applicable, item 5 below		
International application No.	International filing date (day/month/year	(Earliest) Priority Date (day/month/year)		
PCT/EP 03/09008	30/07/2003	30/07/2002		
Applicant				
	has been prepared by this International Searching being transmitted to the International Bureau.	Authority and is transmitted to the applicant		
	onsists of a total of6sheets. nied by a copy of each prior art document cited in	this report.		
1. Basis of the report				
	ge, the international search was carried out on the led, unless otherwise indicated under this item.	e basis of the international application in the		
the international s Authority (Rule 23	earch was carried out on the basis of a translation .1(b)).	of the international application furnished to this		
was carried out on the bas	tide and/or amino acid sequence disclosed in t is of the sequence listing: ternational application in written form.	he international application, the international search		
	the international application in computer readable	e form.		
	ently to this Authority in written form.	, 13.11.1		
	ently to this Authority in computer readble form.			
X the statement that	the subsequently furnished written sequence listication as filed has been furnished.	ng does not go beyond the disclosure in the		
X the statement that furnished	the information recorded in computer readable for	rm is identical to the written sequence listing has been		
2. X Certain claims we	ere found unsearchable (See Box I).			
3. X Unity of invention	n is lacking (see Box II).	•		
4. With regard to the title,	•			
X the text is approve	d as submitted by the applicant.			
the text has been	established by this Authority to read as follows:			
With regard to the abstract,				
	d as submitted by the applicant.			
the text has been	* ' ' '	thority as it appears in Box III. The applicant may, a report, submit comments to this Authority.		
6. The figure of the drawings to	pe published with the abstract is Figure No.	3		
X as suggested by the	e applicant.	None of the figures.		
because the applic	cant failed to suggest a figure.			
because this figure	e better characterizes the invention.			



ional application No. PCT/EP 03/09008

Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This Inte	rnational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. χ	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: Although claims 25-27, 32, 33 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This Inte	ernational Searching Authority found multiple inventions in this international application, as follows:
1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all
2	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this International Search Report
4. X	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-27, 32-35
Remari	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

International Application No. PCT/ EP 03/09008

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.1

Although claims 25-27, 32, 33 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-27, 32-35

Compositions, in particular pharmaceutical compositions, comprising the joint tissue derived muscle precursor / progenitor cell population; use thereof in the manufacture of pharmaceutical compositions, therapeutic uses thereof

2. claims: 28-31

Method of selecting muscle precursor cells via contacting a joint derived cell population with a binding substance for various markers of the cell population

A. CLASSII IPC 7	FICATION OF SUBJECT MATTER C12N5/08 A61K35/12 A61P21/0	00				
According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIELDS	SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12N						
Documentat	ion searched other than minimum documentation to the extent that su	uch documents are included in the fields sea	arched			
Electronic da	ata base consulted during the international search (name of data bas	e and, where practical, search terms used)				
EPO-Internal, WPI Data, PAJ, MEDLINE, BIOSIS, EMBASE, SCISEARCH, CHEM ABS Data						
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT					
Category °	Citation of document, with indication, where appropriate, of the rele	evant passages	Relevant to claim No.			
X	DE BARI ET AL: "Multipotent mesenchymal 1-27, stem cells from adult human synovial 32-35 membrane" ARTHRITIS AND RHEUMATISM, vol. 44, no. 8, 2001, pages 1928-1942,					
	XP002266867 cited in the application page 1929, left-hand column, para right-hand column, paragraph 2 page 1936, right-hand column, para page 1937, left-hand column, page 1937; figure 5 page 1940, left-hand column, para	ragraph 2 aragraph 1				
	right-hand column, paragraph 1 	,				
	-	-/				
X Further documents are listed in the continuation of box C. Patent family members are listed in annex.						
° Special categories of cited documents : "T" later document published after the international filing date						
"A" document defining the general state of the art which is not considered to be of particular relevance or priority date and not in conflict with the application but cited to understand the principle or theory underlying the						
"E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention						
"L" docume	"L" document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone					
which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or cited to involve an inventive step when the document is combined with one or more other such document is combined.						
other r	other means ments, such combination being obvious to a person skilled in the art.					
<u> </u>	later than the priority date claimed "%" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report					
1	14 January 2004 1 0. 05. 2004					
Name and n	Name and mailing address of the ISA Authorized officer					
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk						
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Sitch, W				

1



Inter Al Application No PCT/EP 03/09008

C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
ategory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE BARI C ET AL: "Human synovial membrane-derived mesenchymal stem cells for skeletal muscle repair" ONCOLOGY RESEARCH, vol. 12, no. 6-7, 2001, page 284, XP008026328 2001 Millennium International Conference of Molecular and Tumor Biology; Santorini, Greece; September 02-07, 2001 ISSN: 0965-0407 abstract 31	1-27, 32-35
x	DE BARI C ET AL: "Human mesenchymal stem cells from synovial membrane contribute to skeletal muscle repair in vivo" CLINICAL RHEUMATOLOGY, vol. 20, no. 5, 2001, page 400, XP001184115 5th Belgian Congress on Rheumatology; Hasselt, Belgium; September 27-29, 2001 ISSN: 0770-3198 abstract RA11	1-27, 32-35
P,X	DE BARI COSIMO ET AL: "Skeletal muscle repair by adult human mesenchymal stem cells from synovial membrane." JOURNAL OF CELL BIOLOGY, vol. 160, no. 6, 17 March 2003 (2003-03-17), pages 909-918, XP002266868 ISSN: 0021-9525 page 909 abstract	1-27, 32-35
P,X	DATABASE BIOSIS [Online] BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; May 2003 (2003-05), VANDENABEELE F ET AL: "Morphological and immunocytochemical characterization of cultured fibroblast-like cells derived from adult human synovial membrane." XP002266869 Database accession no. PREV200300404606 abstract & ARCHIVES OF HISTOLOGY AND CYTOLOGY, vol. 66, no. 2, May 2003 (2003-05), pages 145-153, ISSN: 0914-9465	1-27, 32-35

1